

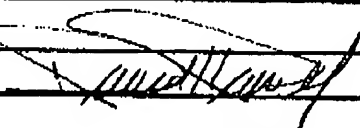
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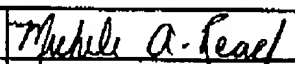
MAY 16 2005

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

| | | | |
|---|----------------------|------------------------|------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Applicant Number | 01770.0002-US-01 | |
| | Filing Date | August 27, 2003 | |
| | First Named Inventor | Eungjoon Park | |
| | Art Unit | 2826 | |
| | Examiner Name | Tan N. Tran | |
| Total Number of Pages in This Submission | 16 | Attorney Docket Number | 01770.0002-US-01 |

| ENCLOSURES (Check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate - 2 pgs.) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (13 pgs.) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks | | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
| Firm Name | Altera Law Group, LLC | |
| Signature |  | |
| Printed name | David H. Carroll | |
| Date | May 16, 2005 | Reg. No. 29,903 |

| CERTIFICATE OF TRANSMISSION/MAILING | | |
|---|---|-------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. | | |
| Signature |  | |
| Typed or printed name | Michele A. Read | Date May 16, 2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

0

Complete if Known

| | |
|----------------------|------------------|
| Application Number | 10/849,203 |
| Filing Date | August 27, 2003 |
| First Named Inventor | Eungloong Park |
| Examiner Name | Tan N. Tran |
| Art Unit | 2826 |
| Attorney Docket No. | 01770.0002-US-01 |

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☒ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 50-1038 Deposit Account Name: Altera Law Group, LLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|--|---------------------|-----------------------|
| Each claim over 20 (including Reissues) | 50 | 25 |
| Each independent claim over 3 (including Reissues) | 200 | 100 |
| Multiple dependent claims | 360 | 180 |
| Total Claims | Extra Claims | Fee (\$) |
| 20 - 20 or HP = 0 | x 50 = 0 | |
| HP = highest number of total claims paid for, if greater than 20. | | |
| Indep. Claims | Extra Claims | Fee (\$) |
| 5 - 3 or HP = 0 | x 200 = 0 | |
| HP = highest number of independent claims paid for, if greater than 3. | | |
| Multiple Dependent Claims | | Fee (\$) |
| | | Fee Paid (\$) |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| | | | | |
|--------------|--------------|--|----------|---------------|
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
| - 100 - | / 50 = | (round up to a whole number) x | | |


4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

Fees Paid (\$)

SUBMITTED BY

| | | | |
|-------------------|---|---|--------------------------|
| Signature |  | Registration No. 29,903 (Attorney/Agent) | Telephone (952) 253-4135 |
| Name (Print/Type) | David H. Carroll | | Date May 18, 2005 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04/2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| | | | |
|---|--|--|--|
| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2005 | | Complete If Known Application Number <u>10/849,203</u> Filing Date <u>August 27, 2003</u> First Named Inventor <u>Eungjoon Park</u> Examiner Name <u>Tan N. Tran</u> Art Unit <u>2826</u> Attorney Docket No. <u>01770.0002-US-01</u> | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | | |
| TOTAL AMOUNT OF PAYMENT (\$) <u>0</u> | | | |

| | |
|--|--|
| METHOD OF PAYMENT (check all that apply) <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____ <input checked="" type="checkbox"/> Deposit Account Deposit Account Number <u>50-1038</u> Deposit Account Name <u>Altera Law Group, LLC</u> For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Credit any overpayments | |
| WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | |

| FEE CALCULATION | | | | | | | | | |
|---|-------------|-----------------------|-------------|-----------------------|------------------|---|---|-----------------|-----------------------|
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES | | | | | | | | | |
| Application Type | Filing Fees | Small Entity Fee (\$) | Search Fees | Small Entity Fee (\$) | Examination Fees | Small Entity Fee (\$) | Fees Paid (\$) | | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | | | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | | | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | | | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | | | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | | | |
| 2. EXCESS CLAIM FEES | | | | | | | | | |
| Fee Description | | | | | | Small Entity Fee (\$) | Fees Paid (\$) | | |
| Each claim over 20 (including Reissues) | | | | | | 50 | | | |
| Each independent claim over 3 (including Reissues) | | | | | | 200 | | | |
| Multiple dependent claims | | | | | | 360 | | | |
| Total Claims | | | | | | Multiple Dependent Claims Fee (\$) | Fees Paid (\$) | | |
| 20 - 20 or HP = 0 x 50 = 0 | | | | | | | | | |
| HP = highest number of total claims paid for, if greater than 20. | | | | | | | | | |
| Indep. Claims | | | | | | Fee (\$) | Fees Paid (\$) | | |
| 5 - 3 or HP = 0 x 200 = 0 | | | | | | | | | |
| HP = highest number of independent claims paid for, if greater than 3. | | | | | | | | | |
| 3. APPLICATION SIZE FEE | | | | | | | | | |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(e). | | | | | | | | | |
| Total Sheets | | | | | | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fees Paid (\$) |
| - 100 = | | | | | | / 50 = | (round up to a whole number) x | | |
| 4. OTHER FEE(S) | | | | | | | | | |
| Non-English Specification, \$130 fee (no small entity discount) | | | | | | | Fees Paid (\$) | | |
| Other (e.g., late filing surcharge): | | | | | | | | | |

| | | | |
|---------------------|---|---|--------------------------|
| SUBMITTED BY | | | |
| Signature |  | Registration No. (Attorney/Agent) <u>29,903</u> | Telephone (952) 263-4135 |
| Name (Print/Type) | David H. Carroll | Date | May 16, 2005 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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APPLICATION SERIAL NO. 10/649,203

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PATENT

MAY 16 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|-------------|---|-----------------|------------------|
| Applicant: | Park et al. | Examiner: | Tan N. Tran |
| Serial No.: | 10/649,203 | Group Art Unit: | 2826 |
| Filed: | August 27, 2003 | Docket No.: | 01770.0002-US-01 |
| Title: | SPLIT-GATE MEMORY CELL, MEMORY ARRAY INCORPORATING SAME, AND METHOD OF MANUFACTURE THEREOF | | |

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MAY 16 2005**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE
U.S. PATENT AND TRADEMARK OFFICE, FAX NO. (703) 872-9308 ON MAY 16, 2005.

Michèle A. Read

NAME OF PERSON SIGNING THIS CERTIFICATE

Michèle A. Read

SIGNATURE

REPLY TO NON-FINAL OFFICE ACTION UNDER C.F.R. §1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Reply is submitted in response to the Office action dated February 14, 2005, setting a three month shortened statutory period for response that expires on May 16, 2005 (May 14th and 15th being weekend days). An Amendment to the Specification begins on page 2. Amendments to the claims are reflected in the listing of claims that begins on page 3. Remarks begin on page 11. There are no amendments to the drawings. Further examination and reconsideration and admission of the amendment and allowance of the application respectfully are requested.